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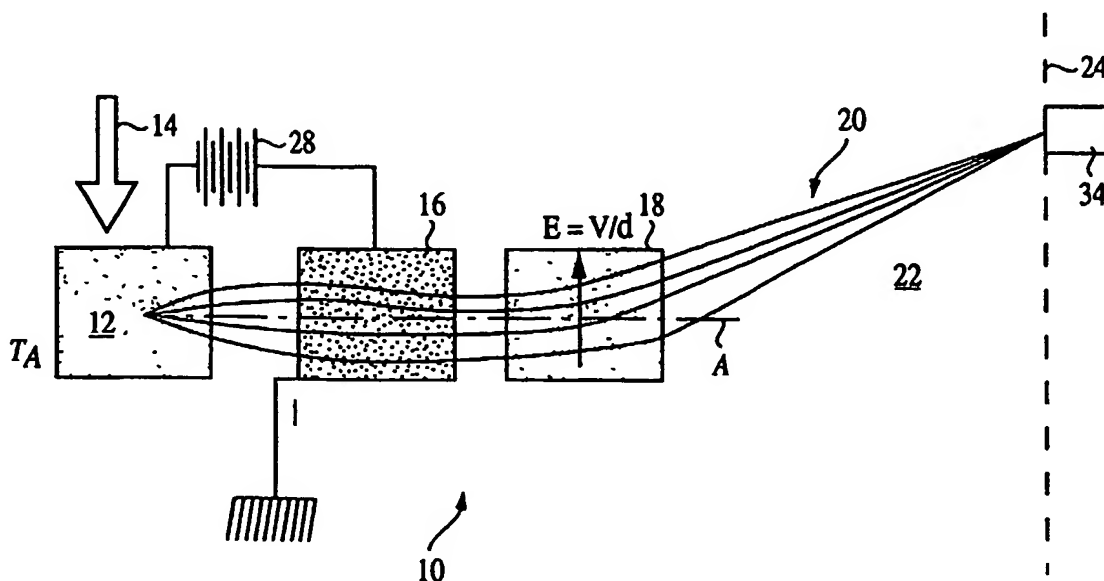
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(54) Title: SPECTROGRAPH TIME OF FLIGHT SYSTEM FOR LOW ENERGY NEUTRAL PARTICLES



(57) Abstract: A mass spectrometer comprising curved electrodes (26) used to generate a rotating electrical field inside dispersing region (32) for the analysis of ion species generated in an ion source (12).

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/28208

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : B01D 59/44

US CL : 250/281, 282, 284, 286-290, 292, 294, 295

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 250/281, 282, 284, 286, 287, 288, 289, 290, 292, 294, 295

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
USPAT EAST

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,726,448 A (SMITH et al) 10 March 1998 (10.03.1998), columns 4-8.	1-20
A	US 3,984,682 A (MATSUDA) 05 October 1976 (05.10.1976), columns 7-10.	1-20

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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